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BT—25—2016

FACULTY OF COMPUTER STUDIES
M.Sc. (SE) (Second Semester) EXAMINATION
OCTOBER/NOVEMBER, 2016
(CBCS Pattern)
SOFTWARE ENGINEERING
(Computer System Security)

(Saturday, 26-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Assume suitable data, if necessary.

(iii) Figures to the right indicate full marks.

1. Attempt any *three* from the following : 3×5=15
 - (a) Security goals
 - (b) Career criminals
 - (c) Sensitive data
 - (d) Fence
 - (e) Business continuity plans.
2. Answer the following (any *three*) : 3×5=15
 - (a) Explain threats, Vulnerabilities and controls in brief.
 - (b) Explain base/bounds registers.
 - (c) Explain types of flows.
 - (d) Explain file protection mechanism.
3. Solve the following (any *three*) : 3×5=15
 - (a) Explain multilevel security in brief.
 - (b) Define control of access to general objects.
 - (c) Define biometrics in brief.
 - (d) Explain models of security.
4. Answer the following (any *three*) : 3×5=15
 - (a) Describe multilevel database.

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- (b) Discuss natural disaster.
 - (c) Explain integrity of database in brief.
 - (d) Explain security planning in brief.
5. Write short notes on (any *three*) : 3×5=15
- (i) Password Authentication
 - (ii) Organizational security policies
 - (iii) Single permissions
 - (iv) Interception of sensitive information
 - (v) Segmentation.

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